

Active Native Pisum Sativum Agglutinin Protein, Agarose bound

Cat. No. Lectin-1827P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Agarose bound Pisum Sativum Agglutinin (PSA) and has sugar specificity against Mannose and Glucose.
Species	Pisum Sativum
Source	Pisum Sativum
Description	Pisum sativum agglutinin is nearly identical in structure and carbohydrate specificity to Lens culinaris agglutinin. The lectin has specificity toward α -linked mannose-containing oligosaccharides, with an N-acetylchitobiose-linked α -fucose residue included in the receptor sequence. Calcium and manganese ions are required for activity. PSA has been used to fractionate cells, to isolate glycoproteins and glycopeptides, to distinguish between normal and virally transformed cells, as a T-cell mitogen, and as an inhibitor of allograft rejection.
Form	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.1 mM Ca^{2+} , 0.08% sodium azide, 0.1 M glucose
Bio-activity	Inhibiting/Eluting Sugar: mixture of 200 mM α -methylmannoside/200 mM α -methylglucoside
Molecular Mass	53 kDa
Applications	Glycobiology, Affinity Chromatography

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Usage	1, Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin. 2, Suggested conditions for eluting glycoconjugates: 200 mM α -methyl mannoside/200 mM α -methyl glucoside mixture.
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Storage	Refrigerate. DO NOT FREEZE.
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Concentration	3.0 mg/ml of settled gel
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GENE INFORMATION

Synonyms	Lectin; PSA
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UniProt ID	P02867
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